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Our File No. 9281-4655

Client No. N US02098

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of: )  
Naoya Hasegawa et al. )  
Serial No. To be Assigned )  
Filing Date: Herewith )  
For Magnetic Sensor Having Free Layer )  
Additionally Provided With Magnetic )  
Anisotropy by Shape Anisotropy )

**PRELIMINARY AMENDMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

Prior to examination of the above-identified application, please amend the application as follows:

**Amendments to the Specification** begin on page 2 of this paper.

**Amendments to the Claims** are reflected in the listing of claims which begins on page 4 of this paper.

**Remarks** begin on page 8 of this paper.